

PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE REPLACEMENT OF AN EXISTING HIB
FOR THE INTERSECTION OF MD 108 AT MD 104 IN HOWARD COUNTY.

INTERSECTION OPERATION

THE EXISTING HIB HAS A FLASHER CABINET AND FLASH YELLOW 24 HOURS, 7 DAYS A WEEK.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:
PROJECT CONTACTS:

MR. JOHN CONCANNON, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 624-8140
MR. JOHN HUCHROWSKI, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (301) 624-8200
MR. RAYMOND F. JOHNSON, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 624-8105
MS. ANDREA ABEND, UTILITY ENGINEER
PHONE: (301) 624-8115
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630
MR. EDWARD RODENHIZER, SUPERVISOR, SIGNAL OPERATIONS
PHONE: (410) 787-7652

THE POWER COMPANY REPRESENTATIVE IS:
BALTIMORE GAS & ELECTRIC
7317 PARKWAY DRIVE SOUTH
HANDOVER, MD 21076
410 859-9070
WMS #

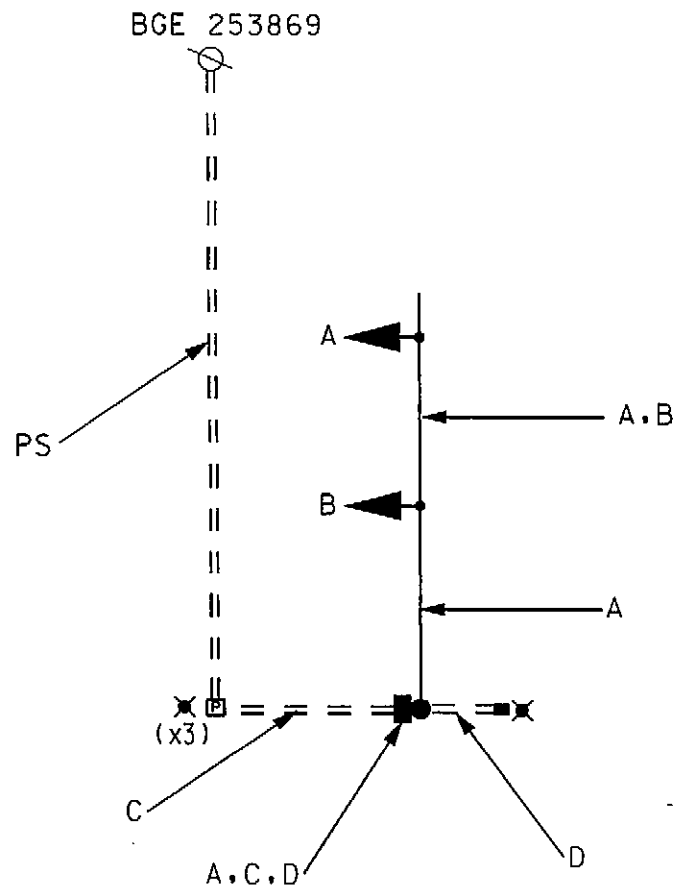
EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.
NONE.

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

| QUANTITY | UNITS | DESCRIPTION |
|----------|-------|--|
| LUMP SUM | LS | MAINTENANCE OF TRAFFIC |
| LUMP SUM | LS | MOBILIZATION |
| 1 | EA | 27 FT. STEEL MAST ARM POLE WITH 50 FT. MAST ARM |
| 1 | EA | STANDARD S.H.A. TRAFFIC SIGNAL FLASHER, POLE MOUNTED CABINET [Note: FLASHER AND CABINET SHALL BE PURCHASED FROM ECONOLITE AND DELIVERED TO THE S.H.A. SIGNAL SHOP FOR WIRING AND TESTING. CONTACT MR. ED RODENHIZER (410) 787-7650] |
| 2 | EA | 12 IN. 1-SECTION LED SIGNAL HEAD - MAST ARM MOUNTED. |
| 1 | EA | 48 IN.X 48 IN. W3-3 SIGN - MAST ARM MOUNTED |
| 1 | CY | TEST PIT EXCAVATION |
| 80 | LF | 1-CONDUCTOR CABLE (NO. 4 AWG) |
| 105 | LF | 5-CONDUCTOR CABLE (NO. 14 AWG) |
| 20 | LF | BARE COPPER GROUND WIRE (NO. 6 AWG) |
| 20 | LF | 2 IN. PVC CONDUIT [SCHEDULE 80] - TRENCHED |
| 10 | LF | 3 IN. PVC CONDUIT [SCHEDULE 80] - TRENCHED. |
| 100 | LF | 4 IN. PVC CONDUIT [SCHEDULE 80] - BORED |
| 1 | EA | HANDHOLE |
| 4.65 | CY | CONCRETE FOUNDATION FOR TRAFFIC SIGNAL EQUIPMENT |
| 4 | EA | GROUND ROD - 3/4 IN. X 10 FT. LENGTH |
| 1 | EA | CONTROL & DISTRIBUTION EQUIPMENT FOR ELECTRICAL SERVICE |
| LUMP SUM | LS | REMOVE EXISTING STEEL POLE WITH MAST ARM AND CABINET. |

Wiring Diagram



A } 5-CONDUCTOR ELECTRICAL
B } CABLE (NO. 14 A.W.G.)
C } 1-CONDUCTOR (NO. 4 A.W.G.) (3 PIECES)
 } FOR TRAFFIC SIGNAL ELECTRICAL SERVICE
D } BARE COPPER GROUND
 } WIRE (NO. 6 A.W.G.)
PS } PROPOSED UNDERGROUND ELECTRICAL
 } SERVICE BY BGE



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION



MD 108 AT MD 104

GENERAL INFORMATION PLAN

SCALE NA DATE JANUARY 2, 2009 CONTRACT NO. BW996M82

DESIGNED BY B. KILIAN COUNTY HOWARD
DRAWN BY B. KILIAN LOGMILE 13010812.35
CHECKED BY TOD NO. 3658
F.A.P. NO. NA

TS NO. 1589E-GI DRAWING GI- OF SHEET NO. 2 OF 2

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BY: bkilian